

PTO-1449 Information Disclosure Citation in an Application	Application No. 09/397,481	Applicant(s) Haws, et al.	
	Docket Number 004578.1025	Group Art Unit Unknown	Filing Date 09/16/99

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
A	2,677,367	05/04/54	M. Telkes			
B	3,132,688	05/12/64	W. B. Nowak			
C	3,909,118	09/30/75	Schmidt			
D	4,047,198	09/06/77	Sekhon, et al.			
E	4,099,853	07/11/78	Glickler, et al.			
F	4,143,946	03/13/79	Lee, et al.			
G	4,178,727	12/18/79	Prusinski, et al.			
H	4,268,558	05/19/81	Beardman			
I	4,341,262	07/27/82	Alspaugh			
J	4,381,818	05/03/83	Sachar, et al.			
K	4,408,859	10/11/83	Hermanns, et al.			
L	4,446,916	05/08/84	Hayes			
M	4,494,171	01/15/85	Bland, et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
Ch	A	0 308 247	03/22/89	EPC	—		
Ch	B	2-208497	8/90	Japan	—	Abstract	
Ch	C	55-96892	7/80	Japan	—	Abstract	
Ch	D	1-147294	6/89	Japan	—	Abstract	
Ch	E	60-232496	11/85	Japan	—	Abstract	

NON-PATENT DOCUMENTS

	DOCUMENT (Including Author, Title, Source, Date, and Pertinent Pages)
F	Gaunt, et al., IBM Technical Disclosure Bulletin, XP 002045948 "Low Velocity Air-Jet Cooling", Vol. 26, No. 7A, December 1982, pp. 3305 and 3306.
G	IBM Technical Disclosure Bulletin, XP 000584055 "Multi-Chip Module Impingement Cooling Plenum", Vol. 39, No. 05, May 1996, pp. 57 and 58.
H	XP 002045949, "IBM Packs in High Density Circuits", Computer Design, December 1984, pp. 254 and 255.

EXAMINER C. Atkinson	DATE CONSIDERED 5/26/01
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

* Previously considered in PTO-1449 filed 2/28/00.

Only abstract has been considered to the patentability of the claims since these references are not in English and applicant has failed to provide the Examiner with a translation. The drawings in these references can only be understood if the Japanese disclosures were provided to the Examiner in English.

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U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
A		4,512,388	04/23/85	Claar, et al.			
B		4,528,208	07/09/85	Hirvonen, et al.			
C		4,730,233	03/08/88	Osterman			
D		4,832,118	05/23/89	Scanlon, et al.			
E		4,823,863	04/28/89	Nakajima, et al.			
F		4,898,234	02/06/90	McGover, et al.			
G		4,966,226	10/30/90	Hamburgen			
H		4,998,181	03/05/91	Haws, et al.			
I		5,007,478	04/16/91	Sengupta			
J		5,039,577	08/13/91	Knoell, et al.			
K		5,063,476	11/05/91	Hamadah, et al.			
L		5,123,982	06/23/92	Kuzay			
M		5,128,689	07/07/92	Wong, et al.			
N		5,225,964	07/06/93	Nemes			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
A		4-143526	5/92	Japan			Abstract	
B		6-291480	10/94	Japan			Abstract	
C		4-44352	2/92	Japan			Abstract	
D		63-267890	11/88	Japan			Abstract	
E		0 541 456 A1	5/93	EPC				X

NON-PATENT DOCUMENTS

		DOCUMENT (Including Author, Title, Source, Date, and Pertinent Pages)
F		Rosenbaum, et al., "Efficient and Simple Heat Exchangers", Physica 107B, North-Holland Publishing Company, 1981, pp. 593-594,.
G		"Sketch A - Mechanical and Electrical Packaging of 'Slat' Phased Arrays" (1 sheet), source unknown, author unknown, existed on or before February 10, 1997.
H		"Development of Advanced EHF Airborne Arrays", prepared by Texas Instruments and Rockwell, presented at Ft. Monmouth, NJ; May 2, 1995 (13 sheets), author unknown.

EXAMINER

DATE CONSIDERED

C. N. H. H. H.

5/29/01

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

* Previously considered in PTO-1449 filed 2/8/2000.
U.S. Patent and Trademark Office

Applicant's state this French language ref. (1461) is a direct translation of U.S. Pat. No. 5,444,272. Therefore, H
DAL01:502887.2 Examiner has only considered the French ref. (1461) based on the applicant's admission that the ref. (1461) is a
translation of the U.S. Pat. No. 5,444,272.
same explanation as on Page 1 of 3 of the IDS filed 5/24/01.

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U.S. PATENT DOCUMENTS							
		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A	5,263,536	11/23/93	Huiburd, et al.			
	B	5,267,611	12/07/93	Rosenfeld			
	C	5,325,913	07/05/94	Altoz			
	D	5,404,272	04/04/95	Lebailly, et al.			
	E	5,523,260	06/04/96	Missere			
	F	5,852,548	12/22/98	Koon, et al.			
	G						
	H						
	I						
	J						
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	L						
	M						

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
#	N	6-34287	2/94	Japan			Abstract	
	O							
	P							
	Q							
	R							

NON-PATENT DOCUMENTS	
	DOCUMENT (Including Author, Title, Source, Date, and Pertinent Pages)
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EXAMINER C. Otkin	DATE CONSIDERED 5/24/01
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same explanation as on page 1 of 3 of this IDS filed 5/24/01.

* Previously considered in PTO-1449 filed 2/9/2000.